

C L A I M S

1. A filter assembly, comprising:
a filter that includes an air permeable
5 filter medium supported by a filter frame;
a filter rack supporting said filter frame,
said filter rack comprising two elongated and substantially
parallel side members and two elongated and substantially
parallel end members, said side members and said end members
10 forming a rectangle;
a first spring connected to said filter rack
and urging said side members apart from each other.
- 15 2. The filter assembly of claim 1, further
comprising a filter rail attached to said filter rack and being
movable relative thereto; and a second spring urging said
filter rail against said filter.
- 20 3. The filter assembly of claim 2, wherein said
second spring is a leaf spring.
- 25 4. The filter assembly of claim 1, further
comprising a filter rail movably attached to said filter rack,
said filter rail defining a channel that holds the filter.

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5. The filter assembly of claim 1, further comprising a filter rail movably attached to said filter rack and being spring biased toward a central portion of said rectangle.

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6. The filter assembly of claim 1, wherein said first spring is an extension spring.

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7. The filter assembly of claim 1, wherein said two end members each include a pair of sliding members that provides each of said two end members with an adjustable length.

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8. The filter assembly of claim 7, wherein said first spring is connected to said pair of sliding members.

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9. The filter assembly of claim 1, further comprising an enclosure that supports said filter rack with said first spring urging said side members into engagement with said enclosure.

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10. The filter assembly of claim 9, wherein said filter rack is selectively attachable to said enclosure at a first location and a second location.

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11. The filter assembly of claim 10, wherein said first location and said second location provide two filter orientations that are substantially perpendicular to each other.

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12. A filter assembly, comprising:
a filter that includes an air permeable filter medium supported by a filter frame;
a filter rack supporting said filter frame, said filter rack comprising two elongated and substantially parallel side members and two elongated and substantially parallel end members, said side members and said end members forming a rectangle;
a first spring connected to said filter rack and urging said side members apart from each other; and
an enclosure that supports said filter rack with said first spring urging said side members into engagement with said enclosure.

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13. The filter assembly of claim 12, further comprising a filter rail attached to said filter rack and being movable relative thereto; and a second spring urging said filter rail against said filter.

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14. The filter assembly of claim 12, further comprising a filter rail movably attached to said filter rack, said filter rail defining a channel that holds the filter.

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15. The filter assembly of claim 12, further comprising a filter rail movably attached to said filter rack and being spring biased toward a central portion of said rectangle.

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16. The filter assembly of claim 12, wherein said filter rack is selectively attachable to said enclosure at a first location and a second location.

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17. The filter assembly of claim 16, wherein said first location and said second location provide two filter orientations that are substantially perpendicular to each other.

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18. A filter assembly, comprising:

20 a filter that includes an air permeable filter medium supported by a filter frame;

a filter rack supporting said filter frame, said filter rack comprising two elongated and substantially parallel side members and two elongated and substantially parallel end members, wherein said side members and said end members form a rectangle and said two end members each include a pair of sliding members that provides said rectangle with an adjustable length;

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an extension spring connected to said pair of sliding members and urging said side members apart from each other; and

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an enclosure that supports said filter rack with said first spring urging said side members into engagement with said enclosure.

19. The filter assembly of claim 18, further comprising a filter rail attached to said filter rack and being movable relative thereto; and a second spring urging said filter rail against said filter.

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20. The filter assembly of claim 18, wherein said filter rack is selectively attachable to said enclosure at a first location and a second location, wherein said first location and said second location provide two filter orientations that are substantially perpendicular to each other.

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